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(54) STRUCTURAL ADHESIVE COMPOSITION

(57)Abstract:

PURPOSE: To provide the titled adhesive compsn. excellent in rust prevention, capable of electrodeposition coating, well suited for use in assembly of automobile bodies, etc., by mixing epoxy resins, heat-active hardeners, and metallic oxide-iron oxide sintered complex ferrite or α -Fe₂O₃ powder.

CONSTITUTION: 100pts.wt. epoxy resin (e.g., glycidyl ether-type epoxy resin), about 1W15pts.wt. heat-active hardener (e.g., dicyandiamide, 4,4'-diaminodiphenyl sulfone), and about 20W150pts.wt. metallic oxide-iron oxide sintered complex ferrite of formula MeO.Fe₂O₃ (wherein Me is a divalent metal) (e.g., BaO.Fe₂O₃) or α -Fe₂O₃ powder are mixed to yield the intended structural adhesive compsn. Metallic oxide-iron oxide sintered complex is yielded by mixing metallic oxides (e.g., MnO, BaCO₃) with iron oxide powder, sintering and then pulverizing.

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